

CALL FOR NOMINATIONS FOR THE YERAM S. TOULOUKIAN AWARD

Nominations are invited for the prestigious Yeram S. Touloukian Award in recognition of excellence in thermophysical properties research. Prominent researchers in all countries are eligible for this award. The Touloukian Award is an achievement award of the American Society of Mechanical Engineers (ASME). The award, presented in honor of Professor Yeram S. Touloukian, who established a high standard of excellence in internationally recognized research at Purdue University, is given every three years at the Symposium on Thermophysical Properties.

Nominations for the award to be presented at the Seventeenth Symposium must be submitted on or before September 1, 2008.

Nomination forms and further information are available from the web at http://www.asme.org/Governance/Honors/SocietyAwards/Yeram_S_Touloukian_Award.cfm (click on "Achievement Nomination Form & Instructions" and the associated "Achievement Nomination Form- Reference Form") or upon request from R. T Jacobsen. The nomination should contain the completed "Nomination for ASME Society Awards" form, a statement of qualifications, a list of up to 15 significant publications, a list of patents if appropriate, and a brief biography; in addition, a cover letter by the nominator and supporting letters from five prominent individuals in the field of thermophysical properties should be included.

Completed nominations should be submitted to:

Prof. Richard T Jacobsen
Dean of Engineering
LEL Engineering 217, Stop 8060
Idaho State University
Pocatello, ID 83209, U.S.A.

Phone: (1) 208-282-2902
E-mail: jacorich@isu.edu

GENERAL INFORMATION

All technical sessions will be held at the University of Colorado, Boulder, Colorado, U.S.A. The Symposium is sponsored by the National Institute of Standards and Technology, the American Society of Mechanical Engineers, and the American Institute of Chemical Engineers. The Seventeenth Symposium email address is: symp17@boulder.nist.gov:

Chair of the Symposium:

Dr. Daniel G. Friend

Physical & Chemical Properties Div., 838.00
National Institute of Standards and Technology
325 Broadway
Boulder, CO 80305-3328, U.S.A.
Fax: (1) 303-497-5224

Vice-Chair for Solids:

Prof. Zhuomin Zhang

Woodruff School of Mechanical Engineering
Georgia Institute of Technology
801 Ferst Drive, NW
Atlanta, GA 30332-0405, U.S.A.
Fax: (1) 404-894-8496

Vice-Chair for Fluids:

Dr. Marcia Huber

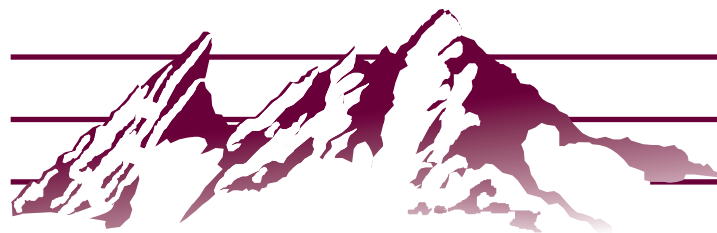
Physical & Chemical Properties Div., 838.08
National Institute of Standards and Technology
325 Broadway
Boulder, CO 80305-3328, U.S.A.
Fax: (1) 303-497-5224

Conference Secretary: **Tim O'Shea** Phone: (1) 303-497-3220

For further information, please access the Symposium web site at <http://symp17.boulder.nist.gov>, or contact the organizers at symp17@boulder.nist.gov.

ANNOUNCEMENT AND CALL FOR PAPERS

Seventeenth Symposium on Thermophysical Properties



17

<http://symp17.boulder.nist.gov>

June 21 - 26, 2009
University of Colorado at Boulder

Organized by:

- National Institute of Standards and Technology
- Committee on Thermophysical Properties
- American Institute of Chemical Engineers
- American Society of Mechanical Engineers

Conference held jointly with

3rd Conference on Thermophysical Properties
and Transfer Processes of Refrigerants

organized by

The International Institute of Refrigeration



ABOUT THE CONFERENCE

This is the Seventeenth Symposium of the well-established series of conferences on thermophysical properties. The Symposium is concerned with theoretical, experimental, simulation, and applied aspects of the thermophysical properties of gases, liquids, and solids, including biological systems. Appropriate topics are:

Thermodynamic Properties, including equation of state, phase equilibria, p-V-T behavior, heat capacity, enthalpy, thermal expansion, sound speed, and critical phenomena.

Transport Properties, including thermal and electrical conductivity, viscosity, mass diffusion, thermal diffusion, non-Newtonian behavior, thermal, thermoacoustic, and other diffusion waves.

Optical and Thermal Radiative Properties, including dielectric constant, refractive index, emissivity, reflectivity, and absorptivity.

Interfacial Properties, including solid-solid interfaces, surface tension, interfacial profiles, interfacial transport, and wetting.

Data Correlation, including data evaluation and prediction, standard reference data, databases, and storage and retrieval of thermophysical property data.

The Seventeenth Symposium on Thermophysical Properties will be held in conjunction with the 3rd IIR Conference on Thermophysical Properties and Transfer Processes of Refrigerants. Some sessions will be held jointly.

CALL FOR PAPERS

Abstracts of 200-300 words must be received by December 5, 2008.

The abstracts must be submitted through the Symposium web page at <http://symp17.boulder.nist.gov>. Further details will be provided in the second announcement. (All Symposium information will be available via the web site.)

The content of the abstracts will be the basis for acceptance of papers for presentation at the Symposium.

Oral, Poster and Database Demonstration Sessions will be held as part of the Seventeenth Symposium on Thermophysical Properties. All presentations will receive equal recognition as Symposium contributions. Prospective authors will be asked to indicate whether a poster presentation, oral presentation or database demonstration is preferred. The organizers will attempt to honor requests for each type of presentation, although the assignment of sessions may necessitate changes. Information on this subject will be included in the acceptance letters to be sent in early 2009. Papers describing all work presented at the Symposium are encouraged, but not required. Papers received by April 3, 2009 will be included in a CD-ROM preprint volume distributed at the Symposium. Papers received by June 21, 2009 will be reviewed, and those accepted will be published in special proceedings issues of the *International Journal of Thermophysics* and other journals. *Electronic submission of manuscripts is mandatory.*

Submissions for IIR sessions will be handled separately; details are at the IIR conference website, <http://www.iirboulder2009.org/>

The Symposium organizers can be reached through the Seventeenth Symposium e-mail address: symp17@boulder.nist.gov

FOCUS AREAS TO BE EMPHASIZED AT THE 17th SYMPOSIUM

† Denotes session to be held jointly with the 3rd Conference on Thermophysical Properties and Transfer Processes of Refrigerants.

- Correlations, Equations of State, and Engineering Models
- Databases and Software
- Fluctuation-Induced Properties of Fluids (Including Non-equilibrium Thermodynamics)
- Fluid Property Measurements
- Instrumentation and Measurement Techniques
- Inverse Problems and Non-destructive Evaluation
- Ionic Liquids
- Molecular Modeling (Including Simulation)
- Optical and Thermal Radiative Properties (Including Surfaces and Micro/Nanostructures)
- Photothermal and Photoacoustic Techniques
- Properties for Alternative Energy and Sustainable Development
- Properties for Metallurgical Process Design
- Properties for Microelectronics, Photonics and Optoelectronics
- Properties for Nanofluids and Nano/Microfluidics
- Properties of Aqueous Systems
- Properties of Biomaterials and Biosystems
- Properties of Fuels (Including Natural Gas Systems)
- Properties of Mesoscopic and Macromolecular Systems
- Properties of Nuclear Materials
- Properties of Polymers
- Properties of Solids
- † Properties of Refrigerants and Working Fluids
- Property Needs in Biothermophotonics
- Subsecond Thermophysics
- Thermal Properties of Nanostructured Materials
- Theory of Thermophysical Properties (Including Statistical Mechanics)
- Wetting, Interfaces, and Membranes